

How Many UFO LED High Bay Lights Do You Need? A Quick Layout Guide

When you're lighting a warehouse, gym, garage, or industrial space, [UFO LED high bay lights](#) are one of the most efficient and popular choices. But how many do you actually need?

Whether you're planning a new lighting installation or upgrading an old system, getting the **right number of lights** is crucial for both **functionality and energy savings**. In this quick layout guide, we'll show you how to estimate your lighting needs using a **simple formula**—and we'll even give you a downloadable tool to make it easier.



✦ What Are UFO LED High Bay Lights?

UFO high bay lights are named for their round, flying-saucer shape. They are compact, powerful, and designed for **ceilings 15 feet or higher**, commonly used in:

- Warehouses
- Manufacturing facilities
- Gymnasiums
- Big-box retail stores
- Large garages

They offer excellent brightness (measured in **lumens**), long life, and significant energy savings compared to older metal halide or fluorescent lights.



❑ Simple Formula to Estimate How Many You Need

Here's a straightforward formula to estimate the number of UFO LED high bay lights for your space:

🔢 Lighting Layout Formula:

Number of Fixtures = (Area of Space in sq. ft.) ÷ (Recommended Coverage per Light)

💡 Example:


Let's say your warehouse is 10,000 sq. ft., and you're using 150W UFO LED lights that cover about **200 sq. ft. per fixture** at a 20-foot ceiling height.

$$10,000 \div 200 = 50 \text{ lights}$$

You'll need **approximately 50 fixtures** for even coverage.

Recommended Coverage Area by Wattage & Ceiling Height

Wattage	Lumens	Ceiling Height	Recommended Spacing	Coverage per Fixture
100W	~14,000	12–18 ft	10–12 ft apart	~150 sq. ft.
150W	~21,000	18–25 ft	12–15 ft apart	~200 sq. ft.
200W	~28,000	25–35 ft	15–18 ft apart	~250–300 sq. ft.

 **Pro Tip:** Higher ceilings need higher lumen outputs and wider fixture spacing.



Best Practices for Layout Planning

- **Use a grid layout:** Distribute fixtures evenly in rows and columns.
 - **Avoid shadows:** Place lights with slight overlap to prevent dark zones.
 - **Consider reflectivity:** White or bright surfaces bounce more light; darker spaces may require more fixtures.
 - **Use motion or daylight sensors** to save energy in low-traffic zones.
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Need Help With a Custom Layout?

Every space is different. If you have complex layouts or need help choosing the right fixtures, reach out to our lighting design experts for a **free custom photometric plan**.

Final Thoughts

Getting the number of UFO LED high bay lights right is a key step to ensuring a **well-lit, efficient, and safe** environment. With the formula and tools provided, you're well on your way to brightening up your space the smart way.

Still have questions? Drop them in the comments or reach out for personalized help!